

ABSTRACT OF THE DISCLOSURE

Encoded data, which can be used by a versatile JPEG2000 decoder in a client, and can assure a high-speed decode process of the encoded data and a high-speed display process of image data, is suitably generated using fragmentary encoded data cached in the client, and fragmentary encoded data received as needed from the server. To this end, a client stores first encoded data of encoded data managed by a server, and calculates short second encoded data on the basis of encoded data required to generate JPEG2000 encoded data, and the first encoded data. The client acquires the second encoded data from the server, and segments the encoded data into a plurality of independent encoded data by interpreting the header information of the second encoded data. When not all data of independent encoded data are stored for each segmented unit, the client stores dummy encoded data, and outputs the encoded data as the JPEG2000 encoded data.